

HCA500 - STEREO POWER AMPLIFIER SPECIFICATIONS	
Topology	Class-AB
Channels	2
RMS Output Power	
8Ω SCD (Single Channel Driven)	180W
4Ω SCD	300W
8Ω BCD (Both Channel Driven)	155W
4Ω BCD	250W
Head-Room Output Power	
8Ω BCD	175W
4Ω BCD	350W
Peak Current Delivery	46A 10hms/1ms
Frequency Response	20Hz - 50kHz (± 0.5db)
Signal to Noise Ratio RCA	≥ 114dBr (A-Wtg) ±2db
THD+N. 8Ω. 1kHz	< 0.05% (-3dB)
Minimum Recommended Load Impedance (per channel)	4 Ω (which equals one 4Ω load or two paralleled 8Ω loads).(Can handle impedance up to 2.8Ω)
Damping Factor (8 Ohm load)	>= 500.
Input Sensitivity RCA	1.055V /0.755. Switchable gain only on RCA input, at back panel
Input Sensitivity XLR	1.55V
Gain RCA	30/32.55 dB
Input Impedance	33 KΩ
Input Connections	Unbalanced (RCA) & XLR (Selector Switch at back Panel)
Speaker Output Connections	Audiophile grade 5-way binding posts.
Power Requirements	230 VAC @ 50 / 60 Hz
AC Power switch	Blue Led Ring Switch (switches AC main power).
Trigger	12V Trigger For amplifier Standby Feature, connector provided at back panel
Protection	Protected against excessive operating temperature, shorted speaker connections, ground faults.
Dimensions	17" wide x 4.2" high x 15" deep (not including connectors and feet).
Weight	37 LBS/ 17 Kgs (unboxed)
Warranty	3 years (The Device will be serviced at Factory in Mumbai)
DOs and DON'Ts	
<ul style="list-style-type: none"> • The amplifier should be turned off while changing the speaker cables. • Input RCA or XLR, Gain, Source, HPF, Ground Lift switch to be toggled with only when amp turned off. • The user must ensure that no spurious signals/oscillations are injected into the Amplifiers input via preamplifier, streamers or any other devices, • Good quality RCA & XLR cables are a must as this is a high power amplifier and any inconsistency in signal levels will be amplified and may cause damage. • The input signal level should not be increased above the rated input sensitivity as this may cause clipping and damage to the speakers & Amplifier. • The device is to be used with a relatively stable main connection 215-253VAC operating the devices beyond these limits may cause malfunction. • Do not drive the amplifier below rated impedance of 4ohms. 	
Do not Connect to TUBE BASED PREAMP without consulting us	

We are committed to the continuous enhancement of products. O&B reserves all rights to make design modifications without prior notice. For any suggestions or feedback write to us at contact@oandbco.com